



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
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No. 16] NEW DELHI, SATURDAY, APRIL 21, 1979 (VAISAKHA 1, 1901)

इस भाग में भिन्न पृष्ठ सख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE  
PATENTS AND DESIGNS

Calcutta, the 21st April 1979

#### APPLICATION FOR PATENTS FILED THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

15th March, 1979

252/Cal/79 Sealed Power Corporation, Piston ring and method of manufacture. (October 27, 1978).

253/Cal/79, Koor Metals Ltd. Improvements in solar collectors.

254/Cal/79, Universite De Dakar, Polyvalent vaccine, against leprosy, and processes for their preparation.

255/Cal/79 Energy Conversion Devices Inc. Amorphous semiconductors equivalent to crystalline semiconductors.

256/Cal/79, Envirotech Corporation, Rotary drum filter and method of operation for medium cleaning.

16th March, 1979

257/Cal/79, Instytut Obróbki Plastycznej, Zamenhofa, Method, preformed part and device for forging crank throws.

258/Cal/79, Stauffer Chemical Company, Thiocarbamate preparation utilizing quarternary ammonium salt catalysts.

259/Cal/79, Howard Machinery Limited, Agricultural machinery rotor (March 16, 1978).

260/Cal/79 Sealed Power Corporation, Pipe joints (October 25, 1978).

261/Cal/79, Gulshan Kumar Girdhar, Electric water heating cup.

17th March, 1979

262/Cal/79, Hoechst Aktiengesellschaft, Stabilized red phosphorus.

263/Cal/79, Lucas Industries Limited, Liquid fuel injection pump. (March 22, 1978).

264/Cal/79 Nippon Carbide Kogyo Kabushiki Kaisha, Method for cultivating algae and a covering material used therefor.

265/Cal/79 Tsentralnaya Eksperimentalno-Issledovatel'skaya Konstruktorsko-Tekhnologicheskaya Laboratoriya Khimizatsii Selskogo Khozyaistva, Spray nozzle.

266/Cal/79, Enso-Gutzeit Osakeyhtio, Pressure filter.

19th March, 1979

267/Cal/79, Permelec Electrode Ltd, Electrolysis electrodes and method of making same.

268/Cal/79 Western Electric Company, Incorporated, Semiconductor device and fabrication method. (October 11, 1978).

269/Cal/79, Sumitomo Chemical Company, Limited, 1, 4-benzoazine derivatives.

170/Cal/79 Rite Corporation, High fire point dielectric insulating fluid having a flat molecular weight distribution curve.

20th March, 1979

271/Cal/79 H & R Johnson-Richards Tiles Limited, Improvements in tiles. (March 28, 1978).

272/Cal/79, Eugene W. Sivachenko, Improved bridge structure.

273/Cal/79. P. W. T. Plastic World Technology Limited. A method and apparatus for the continuous extrusion and blowing of thin films of plastic material in particular rigid PVC.

274/Cal/79. Westinghouse Electric Corporation. Glass encapsulated diode.

275/Cal/79. Combustion Engineering Inc. Direct ignition of a fluctuating fuel stream.

21st March, 1979

276/Cal/79. Gulf Research & Development Company. Improved method for separating solids from coal liquids.

277/Cal/79. Gulf Research & Development Company. Process for separating solids from coal liquids.

278/Cal/79. Midrex Corporation. Method and apparatus for reducing particulate iron oxide to molten iron with solid reductant.

APPLICATION FOR PATENTS FILED AT THE  
(BOMBAY BRANCH)

29th January, 1979

31/Bom/79. Subbaraman Srinivasan. An apparatus for converting rotary motion into equivalent intermittent pulses.

30th January, 1979

32/Bom/79. Colour-Chem Limited. Dyes of anthraquinone series containing sulfonic acid-ester and amide groups and processes for the production of such dyes.

31st January, 1979

33/Bom/79. Rajendra Krishna Hirlekar. Clamps and clamping devices for machine shop applications.

1st February, 1979

34/Bom/79. Mrs. Lalitha Raghunath. A spoon-cum-fork.

35/Bom/79. Rashmi Somabhai Patel. Pilfer proof clouser and container.

5th February, 1979

36/Bom/79. Avinash Ramchandra Moghe. A novel coolant for use in machine tool industry and method of its manufacture.

37/Bom/79. Madhu Kumbhare. A novel automatic fail-safe device for air (Vacuum) brakes.

38/Bom/79. Sukumar Mukherjee. A novel pressure stove.

6th February, 1979

39/Bom/79. Lakhanpal National Limited. A dry cell battery seal.

40/Bom/79. Lakhanpal National Limited. Dry cell seal breaker.

9th February, 1979

41/Bom/79. Jashbhai Jhaverbhai Patel. Storage bin or container.

13th February, 1979

42/Bom/79. Pars Ram Saini. Gadgets for increasing the Air-blast temperature, without increasing the size or height of stoves for Blast Furnaces. Thus save coking coal, imported refractory bricks, resulting in savings in crores and foreign exchange also.

43/Bom/79. Rajendra Tikmani. Improvements in and modifications relating to textile pickers.

14th February, 1979

44/Bom/79. Print-O-Best. Novel sticker alphabets and method of manufacturing such stickers alphabets.

45/Bom/79. Vinod E. Vazirani. Contour marking tool.

15th February, 1979

46/Bom/79. Mrs. Kamlabai Narayan Rashinkar. Lock for locking electric bulb in holder.

47/Bom/79. Metrex Private Limited. Improvements in or relating to pallet stracking systems.

48/Bom/79. Pandurang Kondiba Dikshit. Improvements in or relating to foot valves.

16th February, 1979

49/Bom/79. Mr. Patel Ishverlal Nichhabhai. Filtorex or filterex, which is chemical liquid or water filter.

20th February, 1979

50/Bom/79. Dr. Shantilal Keshavlal Sanghani. Improvements in the conventional bullock cart.

22nd February, 1979

51/Bom/79. Manik Metals & Trading Company Private Limited. Novel heat and-cold insulated crockery ware and household utensils made from sheet metal and method of manufacturing same.

23rd February, 1979

52/Bom/79. The Associated Cement Companies Limited. A novel zeolite catalyst powder and method of manufacturing such catalyst powders.

53/Bom/79. The Associated Cement Companies Limited. Novel closed cellular hollow refractory spheres and method of manufacturing such refractory spheres for use in light weight refractory and industrial catalysis.

54/Bom/79. Gharda Chemicals Private Limited. An improved process for the manufacture of phenolic compounds.

55/Bom/79. Tata Engineering and Locomotive Company Limited. A heat pipe for cooling electric motor and a method for manufacturing the heat pipe.

56/Bom/79. Tata Engineering and Locomotive Company Limited. A status indicating and retaining relay.

57/Bom/79. Tata Engineering and Locomotive Company Limited. A 3-phase direct resistance electric heater for heating liquids such as water.

24th February, 1979

58/Bom/79. Indersen Tolaram Mirchandani of Advani-Oerlikon Limited. Improvement in/or relating to linear planetary wire drive System.

59/Bom/79. Indersen Tolaram Mirchandani of Advani-Oerlikon Limited. Improvements in/or relating to Electrostatic Photocopying machine.

26th February, 1979

60/Bom/79. Hindustan Lever Limited. Soaps from paraffin oxidation.

61/Bom/79. Controller, Indian Bureau of Mines, Government of India, Ministry of Steel of Mines. A process for beneficiation of calcareous rock phosphate.

27th February, 1979

62/Bom/79. Mayoer Chinubhai Gandhi. A restraint strap.

63/Bom/79. Rashmi Somabhai Patel. Plastic match Box.

64/Bom/79. Rashmi Somabhai Patel. Pilfer proof cum children resistant clouser and container.

## APPLICATION FOR PATENTS FILED AT THE

(MADRAS BRANCH)

15th March, 1979

47/Mas/79 V M Antony, A tower clock made with bicycle parts and titled 'Cyclical tower clock'

16th March, 1979

48/Mas/79 Sri V K Sethuraman A regenerative process in which sodium-chloride is used for recovery of chemicals namely calcium-chloride as  $\text{CaO}$  and  $\text{HCl}$  and sodium chloride solution from the soda ash effluent for reuse in the manufacture of Soda Ash

49 Mas/79 Sri V K Sethuraman A regenerative method in which sodium chloride is used for manufacture of calcium silicate a vendible product from the soda ash effluent and recovery of sodium chloride solution for use in the soda ash manufacture

17th March, 1979

50/Mas/79 Sri V K Sethuraman A regenerative manner of manufacture using sodium chloride for producing cement clinker from the soda ash effluent Hydrochloric acid as byproduct and recovery of sodium chloride solution from the effluent for reuse in the manufacture of soda ash

## ALTERATION OF DATE

146299

235/Cal/77

} Ante-dated to April 26, 1975

## COMPLETE SPECIFICATION ACCEPTED

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"The classifications given below in respect of each specification are according to Indian Classification and International Classification

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot 8, Kisan Shankar Ray Road Calcutta in due course. The price of each specification is Rs 2/- (postage extra is sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list

Typed or photo copies of the specifications, together with the photo copies of the drawings if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office

Class 29 D, &amp; 52B

145544

Int Cl G06k 13/00, 17/00

## CARD TRANSPORT MACHINE

*Applicant* INTERNATIONAL BUSINESS MACHINES CORPORATION OF ARMONK NEW YORK 10504, UNITED STATES OF AMERICA

*Inventors* MARK CHARLES AGNEW JOHN RALPH REIDENBACH JAMES MICHAEL RIGOTTI

Application No 2676 Cal 74 filed December 4, 1974

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

15 Claims

A card transport machine comprising a hopper for a deck of cards means to feed a card transversely from the bottom of the deck to a position against a stop in which position a major portion of the card is below the deck, and means to feed the card longitudinally from its position against the stop

CLASS 195-F

145581

Int Cl F16k 31/02

FLUID REGULATOR VALVES INTENDED FOR THE CONTROL OF LARGE FLOWS AND HIGH PRESSURES.

*Applicant* POCLAIN HYDRAULICS OF 60410-VERBIRIF FRANCE

*Inventors* LOUIS EMILE MARTIN & ANTOINE THEODORE MAUBOUSSIN

Application No 1874 Cal/76 filed October 13 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta

4 Claims

A fluid regulator valve comprising a valve body defining a valve seat, a main valve capable of bearing against the seat and defining in the body an inlet chamber for inlet of a fluid under pressure an exhaust chamber which has a function of its position the main valve puts into direct communication with or isolates from the inlet chamber, and a control chamber for control of the position of the main valve capable of containing a fluid the pressure of which has an effect tending to keep the main valve bearing against its seat

an auxiliary valve interposed between the control chamber and the exhaust chamber and movably with respect to the main valve,

an operating jack the piston of which defines a master chamber and which, when the master chamber is fed with an operating fluid sets in motion the opening of the auxiliary valve to which it is coupled, means defining and operating chamber for containing an operating fluid, and

an operating regulator which selectively put the master chamber in communication with the operating chamber or with a tank of fluid not under pressure, the arrangement being such that when the auxiliary valve is in its closed position the inlet chamber and the control chamber are in communication and when the auxiliary valve is in its open position the control chamber and the exhaust chamber are in communication and said communication between the inlet chamber and the control chamber is blocked

CLASS 32I 32F1 &amp; 32F1

145609

Int Cl C08f 3 20, 11/00, 29/14

A PROCESS FOR PREPARATION OF CHLORINATED POLYMERS

*Applicant* IMPERIAL CHEMICAL INDUSTRIES LIMITED OF IMPERIAL CHEMICAL HOUSE, MILLBANK LONDON SW1P 3JF, ENGLAND

*Inventor* JOHN CHRISTOPHER PADGET

Application No 167 Del/77 filed July 26, 1977

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Delhi Branch

9 Claims No drawings

A process for the preparation of a chlorinated aliphatic polymer wherein a solution obtained by chlorination of an aliphatic polymer as herein defined in a chlorinated hydrocarbon solvent such as herein described is treated with steam or hot water thereby separating a chlorinated polymer in solid form characterised in that the treatment with steam or hot water is carried out in the presence less than 50% by weight (based on the weight of chlorinated polymer) of a polymer lubricant such as herein described which is compatible with the said polymer in the proportions employed.

CLASS 83A1 &amp; B5 &amp; 140B1.

145614.

Int. Cl.-A231 1/26; C11b 9/00.

**A METHOD OF PRODUCING PARTICULATE FLAVORING MATERIALS.***Applicant* : MALLINCKRODT, INC., MALLINCKRODT AND SECOND STRIPS ST. LOUIS, MISSOURI U.S.A.*Inventor* : THOMAS HENRY GIEL.

Application No. 2168/Cal/76 filed December 7, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings.

A method for preparing a particulate flavoring material comprising

forming an aqueous mixture of a flavoring agent such as herein described a disaccharide and a carbohydrate selected from the group consisting of hydrophilic colloids and starch hydrolysates, and

spray-drying the aqueous mixture under the influence of heat to form the particulate flavoring composition wherein the ratio of the disaccharide to the carbohydrate in said aqueous mixture is on the order of about 50-95% by weight to about 5-50% by weight such that the mixture is capable of being spray-dried and wherein at least 30% flavoring agent per total particulate material is entrapped in the matrix and less than about 4% flavoring agent per total particulate material is untrapped on the surface of said particulate matrix.

CLASS 13A &amp; 23E.

145615.

Int. Cl.-B65d 89 00.

**FLEXIBLE CONTAINER FOR TRANSPORTATION AND STORAGE OF BULK MATERIAL AND METHOD FOR MANUFACTURING SAID CONTAINER.***Applicant* : NORSK HYDRO A.S. OF BYGDY ALIE 2, NORWAY.*Inventors* : JOHANNES SKAADL & BJARNE OMDAL.

Application No. 797 Cal/77 filed May 26, 1977.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Flexible container for transportation and storage of bulk material, preferably equipped with an inner bag of impervious material, said container consisting mainly of one single piece of material whose upper section has loops and a central filling opening characterized in that the container's bottom section consists of at least four in pairs equally large flaps which are direct extensions of the container's side walls and which are joined together in pairs at their lower edges such that the joints thereby formed cross at one point.

CLASS 116 B.

145623.

Int. Cl.-B65b 5 00, B65j 1 02.

**HANDLING APPARATUS FOR GOODS TRANSPORT CONTAINERS***Applicant* : MODULAR DISTRIBUTION SYSTEMS LIMITED, OF CADWELL HOUSE, ALDWINCLE, KETTERING, NORTHAMPTONSHIRE, ENGLAND.*Inventors* : DAVID ALFEN & ROBERT JOHN ROWLEY

Application No. 922/Cal 76 filed May 26, 1976.

Convention date May 27, 1975 (23098/75) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

25 Claims.

A handling device for containerised transport systems, which device comprises a frame of spaced uprights and cross-members joining the up-rights, the frame having power-extensible legs and being adapted for rigid attachment to an end of a container by means of first locking devices which project at one face of the frame adjacent the upper ends of its side uprights, the first locking devices being adapted for locking engagement with upper ISO castings or the like fittings of the container, and by means of second locking devices which also project at said face of the frame for locking engagement with bottom ISO castings or the like of the container, and the frame also having sockets for receiving prongs of a fork-lift machine, which sockets open in a direction facing away from the opposite face of the frame.

CLASS 138-C &amp; E.

145631.

Int. Cl.-B25c 3 00; 7 00

**NAIL SUPPORT STRIP AND NAIL ASSEMBLIES EMBODYING SAME.***Applicant & Inventor* : HARRY MANUEL HAYTAYAN, AT SUNNYSIDE LANE, LINCOLN, MASSACHUSETTS, UNITED STATES OF AMERICA.

Application No. 2101/Cal/76 filed November 24, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

32 Claims.

A nail support strip for supporting a plurality of nails in series with one another said strip comprising a series of parallel sleeves adapted to surround and grip a nail and a plurality of webs each connecting a pair of mutually adjacent sleeves each web having a line fracture extending generally lengthwise thereof

CLASS 80E.

145635.

Int. Cl.-B05c 3 00; B65d 65/38.

**A PROCESS SEMI RIGID CONTACTING FLUID TREATING MEDIUM AND A METHOD FOR PRODUCING THE SAME.***Applicant & Inventor* : GEORGE CHRISTIAN PEDERSEN

Application No. 953/Cal/77 filed June 25, 1977

Convention date July 2, 1976(27687/76) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

23 Claims.

A porous semi-rigid contacting fluid treating medium characterized by (a) a first set of strands of material such as herein described; (b) each strand of said first set being substantially straight and parallel to every other strand in the set; (c) each strand of said first set being spaced from every other strand in the set both vertically and horizontally; (d) a second set of strands of material interleaved with said first set; (e) each of the strands of said second set being substantially parallel to every other strand in the set; (f) said strands of said first set being perpendicular to the strands of said second set; (g) the lengths of each strand of said second set extending in interleaved fashion through the strands of said first set in a geometric orientation to fit the vertical and horizontal offset spacing of each strand in said first set; (h) each of said strands of said second set including a plurality of substantially straight line portions with said portions connected at angles to provide said geometric orientation, and (i) said angled geometric orientation of said second set and said offset spacing of said first set giving said medium a thickness in cross section greater than the thickness thereof prior to said geometric orientation.

CLASS 15C &amp; 127-I.

145638.

Int. Cl.-F01d 25/16, 25/28; F02c 7/32; F03b 11/06; F16c 27/06, 33/22, 35/02, 39/02.

## IMPROVED SHAFT SUPPORT MEANS.

*Applicant* : DRESSER INDUSTRIES, INC., THE DRESSER BUILDING, P.O. BOX 718, DALLAS, TEXAS 75221, U.S.A.

*Inventor* : FRED KURT KUNDERMAN.

Application No. 1705/Cal/76 filed September 15, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

Improved shaft support means for turbo-machines or the like having a generally horizontally oriented rotor and shaft assembly journaled in a housing, said support means comprising :

a bore in said housing;

a groove in said housing in said bore,

said groove being of less depth adjacent the lower portion of said bore;

bearing means located in said bore and encircling said shafts; and

a toroidal member of resilient material encircling said bearing means and located in said groove in resilient supporting engagement with said bearing means whereby the lesser depth of said groove causes said member to exert a greater upward force on said bearing to compensate for the weight of said rotor and shaft assembly.

CLASS 33F.

145646.

Int. Cl.-B22c 15/34, 17/08

## MAKING FOUNDRY MOULDS.

*Applicant & Inventors* : HENRY WALLWORK & COMPANY LIMITED, ROGER STREET REDBANK, MANCHESTER, ENGLAND AND CHARLES MICHAEL GIFFREY WALLWORK, CHURCH COTTAGE, BIRTLES LANE, OVER AIDERLEY, CHESHIRE, ENGLAND.

Application No. 1211/Cal/75 filed June 18, 1975

Convention date June 26, 1974 (28261/74) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

## 12 Claims.

A machine for automatically producing foundry moulds comprising two sliders, each provided with at least one aperture open to both faces of the sliders, the sliders being mounted to reciprocate along parallel paths on opposite sides of a stationary bolster plate, so that in one position of the sliders one aperture in one slider is in alignment with that of the other but separated from it by the bolster plate, and power-operated platens carrying pattern plates and adapted to cause the pattern plates to enter the aligned apertures to define respective moulding chambers into which sand is blown to form flaskless moulds back-to-back, one of the two moulds being a cope and the other a co-operating drag, the sliders both being movable along the said parallel paths to positions where an ejector ram is able to push the resultant mould out its aperture for subsequent handling.

CLASS 172E.

145647.

Int. Cl.-B65h 54/28

## HIGH SPEED YARN TRAVERSE APPARATUS

*Applicant* : SCHWITZER ENGINEERING WORKS LIMITED, OF HORGEN, SWITZERLAND.

*Inventor* : MANFRED SCHREIBER.

Application No. 1313/Cal/75 filed July 5, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

## 7 Claims.

High-speed yarn traverse apparatus comprising a housing, a drum having a double spiral groove formed therein and located in the housing;

drive means located in said housing, said housing forming a lubricating oil supply pan;

a slider block located in the groove and guided for reciprocating movement upon rotation of the drum, said housing being formed with an axially extending slit therein, and a thread guide connected to said slider block extending through the slit in the housing, characterized by

an oil retention plate extending parallel to the axis of the drum and having an oil-wiping edge engaging the surface of the drum, the plate being located in advance with respect to rotation of the drum of the position of the slider block in the groove, said plate being of sufficient width to block spray of oil being centrifuged off the surface of the drum upon high speed rotation thereof, said edge damming oil therebeneath to form an oil bead and shielding the portion of the housing above the plate against spray of oil being thrown off the surface of the drum by centrifugal force upon high-speed rotation of the drum.

CLASS 27B.

145684.

Int. Cl.-E04b 5/00

## A DEVICE FOR PROTECTING A STRUCTURE AGAINST THE EFFECTS OF HIGH HORIZONTAL DYNAMIC STRESSES.

*Applicant* : SPIE-BATHIGNOLLES, OF TOUR ANJOU, 33, QUAI NATIONAL, PUTEAUX, HAUTS-DE-SEINE, FRANCE, & ELECTRICITE DE FRANCE, OF 2, RUE LOUIS MURAT, PARIS 8 EME, FRANCE.

*Inventors* : JEAN RENAULT, (2) FRANCOIS JOLIVET, (3) CLAUDE PLICHON, & RENE BORDET.

Application No. 1048/Cal/76 filed June 15, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

## 17 Claims.

A device for protecting a structure against the effects of high horizontal dynamic stresses and especially stresses of seismic origin, comprising a system of friction supports constituted by seating blocks applied against each other and incorporated respectively with the structure and with foundation floor means being provided for permitting the relative displacement with friction of the associated seating blocks along their mutual bearing surface, characterized in that the coefficients of static and dynamic friction of the contact surfaces are comprised between a minimum value equal to approximately 0.08 which is compatible with the permissible displacements of the structure as a function of the structural connections and a maximum value equal to approximately 0.5 which is compatible with the threshold value of inherent resistance of the said structure

CLASS 24B &amp; I, 127A &amp; F

145693.

Int. Cl.-B60t 17/00, G12b 3/06

## CIRCULAR FRICTION FACING AND METHOD OF MANUFACTURING THE SAME.

*Applicant* : AUTOMOTIVE PRODUCTS LIMITED, TACHBROOK ROAD, LEAMINGTON SPA, WARWICKSHIRE, ENGLAND.

*Inventor* : ERNEST HUGHES MCCOMBIE.

Application No. 931/Cal/1977 filed June 22, 1977.

Convention date July 22, 1976 (30515/76) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 31 Claims.

A method of manufacture for a circular friction facing suitable for use in a clutch or brake, wherein the method of manufacture comprises mixing a dough, which includes a curable cement in liquid form into which a substantial proportion of fibrous filler has been mixed, the said fibrous filler comprising discrete lengths of fibre strand, extruding the dough through an extrusion die of such a size that the fibrous filler is orientated so that filler is orientated so that the longitudinal axes of a majority of the fibres will be largely parallel to the longitudinal axis of the extrudate, winding the extrudate to produce a preform of a circular friction facing such that the longitudinal axes of the fibres is tangential to a radius of the preform and moulding and curing the preform to produce a friction facing

CLASS 102 D

145700

Int. Cl. F04 23/00

## FLUID WORKING MACHINE HAVING A ROTATABLE SCREW

*Applicant* MONOVIS B.V. OF KEIZERSGRACHT 253 AMSTERDAM, THE NETHERLANDS

*Inventor* JONATHAN MARTIN HODGE

Application No. 1454/Cal/76 filed August 10, 1976

Convention date August 18, 1975 (34215/75) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Calcutta

## 2 Claims

Fluid working machine comprising a screw rotatable about an axis and having surface grooves formed therein which are inclined relative to that axis, the lands serving to separate the grooves one from another, making sealing engagement with a surrounding casing whereby each groove defines, during at least a part of the rotation of the screw within the casing, a chamber at least one gate rotor having teeth which intermesh with the grooves of the screw, each tooth being successively in sealing relationship with a groove as the intermeshing screw/rotor(s) rotate, the volume of any chamber defined by a groove and limited by a rotor tooth changing from a maximum to a minimum as the screw and rotor(s) rotate, at least a high pressure port in the casing adjacent to a high pressure end of the screw and communicating with each chamber when the volume thereof is at or adjacent to its minimum volume and at least a low pressure port at the low pressure end of the screw, characterised in that the effective seal between the screw and the casing at an end of the screw across which a pressure difference occurs is located in a clearance formed between the screw and the casing or a part stationary with the casing and a generally radially extending surface of the screw closely adjacent thereto

CLASS 27 I

146298

Int. Cl. B28b 7/22

## CONCRETE FORM PANEL TYING APPARATUS

*Applicant* STRICKLAND SYSTEMS INC., OF 10101 REGENCY SQUARE BLVD JACKSONVILLE, FLORIDA 32211 UNITED STATES OF AMERICA

*Inventors* JAMES KENNETH STRICKLAND FRANK RUSSELL CAPPS TODD BARTO NEKOLA & WILLIAM ALBERT FREMIR

Application No. 832/Cal/76 filed May 12, 1976

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Calcutta

## 36 Claims

Concrete form panel tying apparatus comprising an elongated tie extending from inside said concrete through the

plane of a concrete form panel and means for clamping said tie outwardly of said concrete form panel for restraining outwardly relative movement of said form panel with respect to said tie, characterized in that said tie has an end portion of a first transverse dimension, an inner portion of a second transverse dimension, an inner portion of a second transverse dimension less than said first transverse dimension, and an outwardly sloped surface connecting said end portion and said inner portion and said means for clamping said tie comprises at least one clamping member having a recess therein for receiving said inner portion of said tie, the portions of said clamping member adjacent to said recess and distal said form panel being engageable with said sloped surface said clamping member being movable between a clamped position in engagement with said sloped surface and an unclamped position out of engagement with said surface

CLASS 32F2a &amp; F2b &amp; 55E2&amp;F4

146299

Int. Cl. C07c 101/20 103/18

## A PROCESS FOR PREPARATION OF NEW AMINO ACID DERIVATIVES

*Applicant* CHINOIN GYOGYSZER ES VEGYFSZETI TIERMEKEK GYARA RT OF 1-5, TO U BUDAPEST 1, HUNGARY

*Inventors* LASZLO FIUER ARPAD FURKA FERENC SI BISTYEN JOHAN HERCSEL NEE, & ERZSEBET BENDEFFY NEE

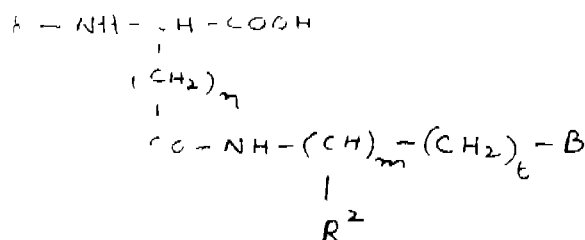
Application No. 235/Cal/77 filed February, 17, 1977

Division of Application No. 846/Cal/75 filed April 26, 1975

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Calcutta

## 3 Claims

Process for the preparation of compounds of the general formula 1A

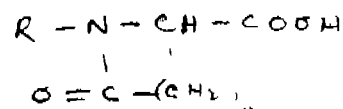


wherein R stands for hydrogen, C1-4 alkoxy-carbonyl or C1-4 alkoxy-carbonyl or phenoxy-carbonyl optically having a halogen, alkoxy or nitro substituent in the phenyl ring, C1-4 alkanoyl, benzoyl,

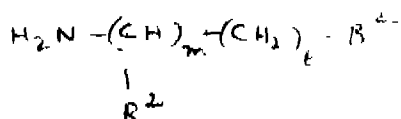
R<sup>2</sup> stands for hydrogen, C1-4 alkyl, or carboxy, C1-4 alkoxy-carbonyl, or phenoxy-carbonyl or carboxamido,

B<sup>1</sup> is a group of the formulae — SO<sub>2</sub>OH, OSO<sub>2</sub>OH, -OPO(OH)<sub>2</sub> or —SSR<sup>3</sup>, wherein

R<sup>3</sup> is a residue obtained when removing group B<sup>1</sup> of the general formula A, n is 1, 2, 3 or 4, m is 1, 2 or 3 t is 1, 2 or 3, or a salt or an optically active antipode thereof, in which a compound of the general formula II



wherein  $R^1$  and  $n$  each have the same meanings as defined above is reacted with a compound of the general formula III.



or a salt thereof, wherein  $R^2$ ,  $t$  and  $m$  each have the same meanings as defined above, and

$R^3$  is a group of the formulae  $-\text{SO}_2\text{OH}$ ,  $-\text{OSO}_2\text{OH}$ , or  $-\text{OPO}(\text{OH})_2$  or  $-\text{S}-\text{S}-\text{R}^4$ ,

wherein

$R^4$  is a residue obtained when removing group  $R^3$  of the general formula III and, if desired any of the thus obtained compounds is converted into its salt or is liberated from its salt, and/or any of the above compounds is prepared in optically active form by using optically active reagents or by subjecting the obtained racemic product to resolution.

CLASS 145B.

146300.

Int. Cl.-D21c 7/00.

DISK REFINER.

ENSO-GUTZFIT OSAKEYHTIO. KANAVARANTA 1, 00160 HELSINKI 16, ENGLAND.

Inventors : II MARI PAKKINEN, SEPPO HAKKINEN AND JOUNI MATULA.

Application No. 574/Cal/77 filed April 14, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

A disc refiner, comprising an outer housing which is supported on a mounting base and constitutes first and second frame parts, the first frame part (1) having on its inside a pressure-proof housing (10) which contains a disc (6) provided with refiner plates (7) and attached to one end of the shaft (9), said housing (10) being at the periphery of the said disc (6), an end plate (3) connected to the said first frame part (1) at its periphery and provided with plates (8) serving as stationary counter plates for said refiner plates (7), said housing being at its middle portion connected to the refiner shaft (9) by a gasket sleeve (10) and said second frame part having bearing means for supporting the shaft (9), characterized in that the said first and second frame parts constitute for the refiner a uniform uninterrupted frame having the shape of a hollow rotational body and serving as a guide and support for the said refiner shaft with its bearings and having fixation points (11, 12) provided symmetrically in relation to the shaft (9) for supporting the disc refiner on its base.

CLASS 32F.a & F.1a. & 55D.

146301.

Int. Cl.-C07c 69/22; A01n 9/00.

PROCESS FOR PRODUCING ISOVALERIC ACID ESTER DERIVATIVES.

Applicant : DAINIPPON TOCHUGIKU KABUSHIKI KAISHA, OF 2-11, TOSABORI-DORI, NISHI-KU, OSAKA-SHI, OSAKA-FU, JAPAN.

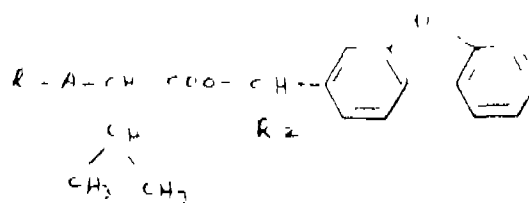
Inventors : YOSHIO KATSUDA & YOSHIIHIRO MINAMITE.

Application No. 1666/Cal/77 filed November 30, 1977.

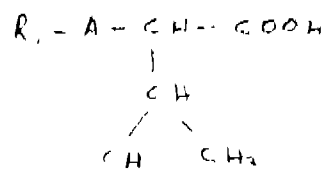
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims.

Process for producing isovaleric acid ester derivatives of the general formula I.

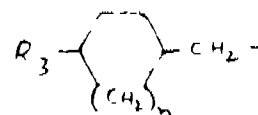
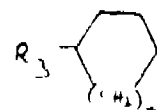
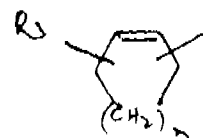
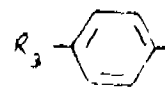


wherein A,  $R^1$  and  $R_2$  represent the same meaning given below, which process is characterized by reacting isovaleric acid or a reactive derivative thereof such as herein before defined having the general formula IV.

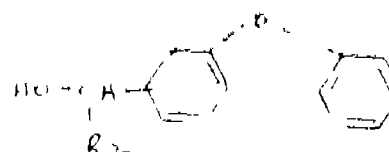


wherein A is O, NH, or  $\text{CH}_2$ .

$R^1$  represents, if is O or NH, an alkyl, an alkenyl, a haloalkyl and a haloalkenyl radical with 3-6 carbon atoms and a radical selected from those of the general formulae II, III, IV & V.



in which  $n$  is an integer of 1-3 and  $R_3$  represents hydrogen, methyl group of chlorine atom, and if A is  $\text{CH}_2$ ,  $R^1$  represents an alkyl, an alkenyl, a haloalkyl and a haloalkenyl radical with 2-5 carbon atoms, or alternatively  $R^1 - \text{A}$  represents a naphthyl group bonding to the main chain at  $\beta$ -position, with an alcohol or a reactive derivative such as herein before defined thereof having the general formula V.



wherein  $R_2$  represents hydrogen or cyano group.

CLASS 132B\* &amp; 132C.

146302.

Int. Cl.-B29b 1/04; B29F 3/00; B29G 2/00.

WORM TYPE EXTRUSION AND MIXING APPARATUS.

*Applicant & Inventor* : PAUL GEYER, OF 15660 LA COMA, DEFIROIT, MICHIGAN, 48205, U.S.A.

Application No. 794/Cal/77 filed May 26, 1977.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

An apparatus for the extruding and mixing of thermoplastic and thermo-setting materials for both hot and cold feed, comprising an elongated generally cylindrical barrel member and an elongated rotor member disposed coaxially within said barrel member, means providing relative rotational movement between said rotor and barrel members, said rotor and barrel members having a feed end, a discharge end and a mixing zone, said rotor and barrel members each having at least one generally helical groove, characterized in that said mixing zone comprises a rotor-to-barrel zone followed by a barrel-to-rotor zone interposed between said feed and discharge ends, the grooves of said rotor and barrel members in said rotor-to-barrel zone being sized and positioned so that the extrusion capacity of the helical groove in said rotor member decreases uniformly along the length of said rotor-to-barrel zone and the extrusion capacity of the helical groove in said barrel member increases uniformly along the length of said rotor-to-barrel zone, whereby said relative rotational movement between said rotor and barrel members causes material to flow out from the rotor groove in said rotor-to-barrel zone into the barrel groove in said rotor-to-barrel zone, said barrel groove in said barrel-to-rotor zone having a reduced change in depth to turn the received material away from the barrel groove and to direct the re-oriented material towards the rotor groove for changing the axis of material shear as said material is advanced from said barrel member to said rotor member in said barrel-to-rotor zone from wherein the material flows to said discharge end upon relative rotational movement between said members.

CLASS 206-J.

146303.

Int. Cl.H04b 1/00.

IMPROVEMENTS IN OR RELATING TO TRANSMITTER/RECEIVERS.

*Applicant* : PLESSFY HANDELI UND INVESTMENTS AG. OF GARTENSTRASSE 2, 6300 ZUG, SWITZERLAND.*Inventors* : CHRISTOPHER KEITH RICHARDSON.

Application No. 354/Cal/77 filed March 10, 1977.

Convention date March 16, 1976 (10360/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

A common channel duplex transmitter/receiver for contemporaneous transmission and reception, the transmitter/receiver comprising:

an oscillator capable of being angle modulated, said oscillator providing an output signal for transmission,

aerial means for transmitting said oscillator output signal and for accepting a received signal;

first mixing means for mixing said transmission signal from said oscillator with said received signal, said first mixing means having a first input terminal for receiving said transmission signal and a second input terminal for receiving said received signal;

second mixing means for mixing said transmission signal from said oscillator with said received signal, said second mixing means having a third input terminal for receiving said transmission signal and a fourth input terminal for receiving said received signal;

phase quadrature means arranged so that the signal received at one of said input terminals of said first mixing means is in phase quadrature with the corresponding signal fed to said second mixing means, and

means, receiving the output signals from said first and second mixing means, for demodulating said received signal.

CLASS 63B.

146304.

Int. Cl.-H02k 3/00.

RIPPLE-SHAPED TIGHTENING STRIP FOR RETAINING ELECTRIC MACHINE WINDING.

*Applicant & Inventors* : (1) MARK ZAKHAROVICH TSIRKIN, ULITSA BELA KUNA 22, KORPUS 2, KV. 59, Leningrad, USSR, (2) VIKTOR OVSHIEVICH KOGAN, VARSHAVSKAYA ULITS 53, KV. 36, Leningrad, USSR, (3) RUDOLF SEMENOVICH POLYAKOV, LITENY PROSPEKT 64, KV. 27, Leningrad, USSR, (4) JURY LEONIDOVICH PRESNOV, MOSKOVSKOE SHOSSE 4, KV. 76, Leningrad, USSR AND (5) ELINA SERGEYEVNA KHANUKOVA, PROSPEKT MAIOROVA 45, KV. 20, Leningrad, USSR.

Application No. 339/Cal/77 filed March 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

8 Claims.

A ripple-shaped tightening strip for retaining an electric machine winding in radial slots of the stator core, composed of a rigid insulating sheet material, disposed between the winding bar and the slot wedge in a compressed state, the strip having additional resilient members placed in the troughs of the ripple-shaped tightening strip.

CLASS 155B, &amp; 155F.

146305

Int. Cl.-D06m 13/00; 15/00.

A FOAM COMPOSITION FOR TREATING A FABRIC OR PAPER SUBSTRATE.

*Applicant* : UNION CARBIDE CORPORATION, OF 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.*Inventors* : ANDREW TANTER WALTER, GEORGE MACON BRYANT, RONALD LOUIS READSHAW.

Application No. 731/Cal/77 filed May 16, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A foam composition for treating a fabric or paper substrate, said composition being a froth having a foam density of from 0.005 to 0.3 gram per cc, an average foam bubble size of from 0.05 to 0.5 millimeters in diameter and a foam half-life of from 1 to 60 minutes, said foam composition comprising from 5 to 75 weight percent of functional textile treating compound such as herein described from 0.2 to 5 weight percent of frothing agent such as herein described from 0.001 to 5 weight percent of wetting agent such as herein described the said wetting agent being an optional meagent with the balance of said composition being water, said percentages based on the weight of said foam composition.

CLASS 33C

146306.

Int. Cl.-B22c 1/00.

REFRACTORY SUSPENSION FOR MAKING FOUNDRY MOUNDS.

*Applicants & Inventors* : KONSTANTIN KONSTANTINOVICH YASINSKY, OF ULITS SPARTAKOVSKAYA, 18, KV. 52 MOSCOW, USSR, (2) SERGEI GFORGIEVICH GLAZUNOV, LENINSKY PROSPEKT, 41, KV. 62, MOSCOW, USSR, (3) JURY NIKOLAEVICH ROSS OF ZAPOROZHIE, ULITS PATRIOTICHESKAYA, 74, KV. 36, USSR, & IGOR DMITRIY VICH BYKOV, ZAPOROSHIE, ULITS TURGENEVA, 44, KV. 6, USSR.



Application No. 1421/Cal/77 filed September 20, 1977.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta

8 Claims. No drawings.

A refractory suspension for making lost wax foundry moulds for casting pieces of chemically active metals, the ratio of suspension constituents being as follows (parts by weight) : coke, 10-60; a powdered metal selected from the group consisting of titanium, zirconium and a mixture thereof 0.3-5.0 resins as herein described 5-50; a hardener selected from the group consisting of an organic and inorganic acids, 2-30; an organic solvents, 20-60.

CLASS 98G

146307.

Int. Cl.-F28d 15/00.

A HEAT TRANSFER SYSTEM FOR CHILLING OR HEATING A LIQUID PRODUCT SUCH AS MILK.

*Applicant* : LARSEN & TOUBRO LTD., OF L & T HOUSE, BALLARD ESTATES, BOMBAY-400 038, MAHARASHTRA, INDIA.

*Inventors* : RAMAN MADHOK, & RAVINDRA VENKTESH DESHPANDE.

Application No. 228/Bom/77 filed July 26, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims.

A heat transfer system for chilling or heating a liquid product such as milk, which has in combination a metal storage vessel in which said liquid product is stored, said storage vessel being provided with a plurality of channels

built in the sidewall and/or base thereof and having an inlet port and an outlet port; a generator for generating chilled or hot fluid connected to said inlet port and outlet port through a feed pipe and a discharge pipe, respectively, and a circulation pump for forced circulation of chilled or hot fluid through said channels.

#### CORRECTION OF CLERICAL ERRORS UNDER

##### SECTION 78(3)

(1)

The title of the invention in the application and specification as well as opening description of the specification in respect of patent application No. 143608 (earlier numbered as 188/Mas/1975) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 31st December, 1977 has been corrected to read as "A method of manufacture of tobacco smoke filter-plugs and tobacco smoke filter plugs obtained therefrom" under Section 78(3) of the Patents Act, 1970.

(2)

The title of the invention in the application and specification as well as opening description of the specification in respect of patent application No. 143609 (earlier numbered as 189/Mas/75) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 31st December, 1977 has been corrected to read as "A method of manufacture of tobacco smoke filter-plugs, an apparatus for carrying out said method and tobacco smoke filter-plugs obtained therefrom" under Section 78(3) of the Patents Act, 1970.

#### PATENTS SEALED

142228 143650 143693 143741 143822 143834 143853 143869  
143878 143888 143891 143895 143897 143937 143951

#### COMMERCIAL WORKING OF PATENTED INVENTIONS.

The following patents in the field of General & Mechanical Engineering Industry are not being commercially worked in India as admitted by the Patentees in the Statement filed by them under Section 146 (2) of the Patents Act, 1970, in respect of Calendar year 1977 generally on account of want of request for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

S. No.	Patent No.	Date of Patent	Name & Address of Patents	Brief title of the Inventions
1	2	3	4	5
1.	140408	21-8-1974	Durkoppwerke Coesellsehalt Mit Beschränkter Haftung Co., Federal Republic of Germany.	Work piece guiding device for forming edge parallel seams on a sewing machine.
2.	140409	11-9-1974	Mahle GMBH; 26-46 Pragsstrasse, Stuttgart, West Germany	A piston and connecting rod arrangement for a reciprocating piston engine.
3.	140410	13-9-1974	Elitex Zavod Textilniho Strogirensivi, Liberec, Czechoslovakia	Body for winding yarn in textile machines.
4.	140411	1-10-1974	The Lucas Electrical Co., Ltd., Well Street, Birmingham, England	Starter motors.
5.	140420	22-10-1974	Bridgestone Tire Co. Ltd. No. 1-1- 1-Chome] Kyobashi Chuo-ku Tokyo Japan	Pneumatic tyre for construction work.
6.	140427	17-7-1973	The Textile & Allied Industries Research Organisation 81 Alkapuri, Baroda-5 India	Means for varying or controlling the speed of a rotating body.
7.	140473	5-12-1974	Knorr Brense GMBH., 8 Munchenen 40, Musacherstrasse 80, Federal Republic of Germany.	Flow dependent monitoring device for the main air conduct of airbrake systems of railway vehicles.
8.	140489	31-5-1974	Director General of Indian Council of Medical Research, Ansari Nagar, New Delhi-16, India.	Film processing apparatus.
9.	140519	22-8-1973	Dunlop Ltd. England	Pneumatic tyres.
10.	140526	27-7-1973	New Standard Engineering Co., Ltd., NSE Estate Goregaon Bombay India.	Means for feeding and distributing fibrous material to textile machines.
11.	140527	Do.	Do.	Feeding chutes for receiving and feeding fibrous materials to cording engines.
12.	140528	Do.	Do.	Feeding fibrous to textile machines

1	2	3	4	5
13.	140546	14-9-1973	Gestetner Ltd., Fawley Road Tottenham, London N-17, England	Device for receiving a stencil ink screen from a dupcalitor cylinder.
14.	140547	8-10-1973	Elkem-Spigerverket A/S; Norway	Supplying charge to an electric and furnace.
15.	140555	7-3-1974	Diamond Power Speciality Corporation, U.S. Route 22 East Lancaster Ohio USA	Power controlling apparatus for movable members.
16.	140560	10-7-1974	Burroughs Corporation U.S.A.	A micro programmable computer system.
17.	140572	11-7-1974	Do.	Chain printer utilising a plurality of teeth for engaging driving means.
18.	140575	19-9-1974	Siemens AG West Germany	Programme controlled data switching systems.
19.	140589	14-3-1974	Aerojet-General Corporation; 9100 Esast Flair Dive FI Monte California 91734, U.S.A.	Floating roof for liquid storage tanks.
20.	140603	9-4-1974	Burroughs Corporation; U.S.A.	A small micro-programme data processing system employing multisyllable micro-instructions.
21.	140604	23-7-1974	Do.	Display panel.
22.	140605	28-11-1974	Siemens AG; West Germany	Data transmission systems.
23.	140606	30-1-1973	Caterpillar Tractor Co. U.S.A.	Pilot control valve.
24.	140612	26-8-1974	Girling Ltd. England	Disc brakes for vehicles.
25.	140614	7-7-1973	Amicon Corporation; 25 Hantwell Avenue Lexington Massachusetts U.S.A.	Disposable liquid concentrating device
26.	140616	16-9-1974	The Textile & Allied Industries Research Organisation; Kalabhavan Premises Baroda-390001, India	A universal cutting and grinding machine for repairing used shuttles.
27.	140619	12-9-1975	Madhu Sudan Chakravorty; F-29 Lake Terrace Extension Calcutta-29, India	Plating chromium on steel rim of bicycle or similar other road vehicles.
28.	140620	28-9-1974	The Lucas Electrical Co., Ltd., Well Street, Birmingham 19, England	Starter motors for internal combustion engines.
29.	140664	22-10-1974	Parks-Crammer CCor. Br. 7; Suthers str. Oldham, Lancashire, England	Spinning yarns on open-end spinning machine and pneumatically removing fibre and trash waste incident to spinning.
30.	140669	5-11-1973	Deer & Co., Moline, Illinois, U.S.A.	A crop harvester having an automatic height control system.
31.	140695	18-2-1975	The Lucas Electrical Co., Ltd. England	Lamp assembly
32.	130696	14-3-1974	G.D. Societa Per Azioni, Italt.	Apparatus with a rotatable head for supplying cigarettes to the infeed hoppers.,
33.	140702	28-7-1973	Girling Ltd., England	Servo boosters for vehicle braking systems.
34.	140704	8-10-1973	Establissement Fresa, Vaduz, Principality, Liechtenstein.	A pre-fabricated building framework.
35.	140705	20-10-1973	Deer & Co., U.S.A.	Variable speed belt drive for agricultural machine.
36.	140709	30-5-1974	Girling Ltd., England	Pressure control valves.
37.	140715	1-3-1974	The Fiberwoven Corpn. East Main Str. Elkin North Carolines, U.S.A.	Machine for producing a needled fabric structures.
38.	140741	19-12-1973	G.D. Societa Per Azioni; Italy	Cigarette packaging machines.
39.	140747	20-3-1975	(1) Johnson & Johnson and (2) Purolator Inc both of New Brunswick New Jersey U.S.A.	A blood filter unit.
40.	140758	19-12-1974	Girling Ltd., England	Hydraulic actuators.
41.	140773	17-12-1973	F.L. Smidth & Co., A/S, Vigeraslev Alle, Copenhagen-Valby Denmark	Support of rotary drums.
42.	140774	24-12-1973	Ratio Pack; 122/39A-2344, Substadt, Wien, Austria	Fish boxes.
43.	140777	11-3-1974	U.S.S. Engineers & Consultants Inc., 600 Grant Street, Pittsburgh, Pennsylvania, U.S.A.	Forming an internal taper in the walls of sleeve like body.
44.	140781	11-11-1974	Frank Natrass & P. T. Natrass both of England	Bulk material containers.
45.	140783	7-3-1975	Flender Machell Gears Ltd., 2 Fairlie Place, Calcutta-1 India	Flexible couplings.
46.	140784	20-3-1975	(1) Johnson & Johnson (1) Puralator Incl U.S.A.	Blood filtration unit.
47.	1407879	21-9-1973	Helen Hazel Walker; 607 Charlton Street, Valdosta, Georgia, U.S.A.	Workpiece treatment machine.
48.	140855	17-1-1974	The Dexter Corporation, Windsor Locks, Connecticut, U.S.A.	Tufted non-woven fibrous materials.

1	2	3	4	5
49.	140859	1-7-1974	F.L. Smidth & Co., A/S, Denmark	Rotary kiln plant for burling pulverous or granular material.
50.	140860	11-7-1974	Dunlop Ltd., England	Manufacture of inner tubes for pneumatic tyres.
51.	140867	21--1975	Trutzschler & Co. k D-4070 Rheydt Odenkirchen, Dunnen Strasse, 82-92, Federal Republic of Germany	Measuring a fibre formation.
52.	140870	7-4-1975	William Arthur Martin; 804 Via Bella Maria, San Marcos California 92069 U.S.A.	Two fluid solar, boiler,
53.	140881	4-1-1974	Dr. C. Otto & Comp. GMBH Postfach 1849/1850 463 Bochum West Germany.	A pressure reactor for producing a combustible gas.
54.	140882	14-1-1974	Black Sivalis & Dryson Inc. 2777 Allen Parkway Houston Texas 77001, U.S.A.	Apparatus for cooling device subjected to a high temperature,
55.	140884	16-2-1974	Kelley Co., Inc., 6720 North Pentonice Avenue, Milwaukee, Wisconsin U.S.A.	Stack construction for a combustion apparatus.
56.	140886	24-9-1974	Fluidrive Engineering Co., Ltd., Worton Road Isleworth, Middlesex TW 7 6EH, England	Fluid couplings and motor driven insulations.
57.	140888	1-10-1974	Shui-Ting LU ; No. 28-3- Sinsen South Road, Sec. 3, Taipei, Taiwan, Republic of China.	Cassette for tape/film and driving means thereof.
58.	140898	28-12-1974	Wharton Shipping Corporation, Quijano Associates Avenida J. Arosemenoy Calle 32, Edificio Vallarino, Panama	Vessel for floatation loading an unloading and and partial buoyancy support of barges.
59.	140906	11-7-1975	Wilkinson Sword Ltd., England	Razor blade dispersers.
60.	140914	22-3-1974	F.L. Smidth & Co., A/S. Denmark	Air swept tube mills.
61.	140915	8-7-1974	Elitex Zavod Textilního, Strojrenství, 22 Boxeny Newcove, Liberce, Czechoslovakia	Simultaneous formation of a yarn package on a winding body in textile machines.
62.	140931	5-12-1974	The Lucas Electrical Co., Ltd., Well Street, Birmingham, England	Battery changing systmes for road vehicles.
63.	140939	11-1-1975	Rohm Gmb H; Darmstadt, Federal Republic of Germany.	Preparation of pelts prior to tanning
64.	140946	19-9-1974	Dr. C. Otto & Comp. GmbH; West Germany	Apparatus for charging coal into coke ovens.
65.	140971	15-1-1974	Societe D'Etudes De Machines Theriques ; 2 Quai De Seine, 93202, Saint Denis, France,	Cooled exhaust valve for an I-C engines.
66.	140986	14-12-1973	G.D. Societa Per Azioni, Italy	Feeding containers filled with cigarettes.
67.	140991	21-5-1974	G.D. Societa Per Azioni, Italy	Checking the proper sealing down of the base of packets.
68.	140993	13-8-1974	Parks-Cramer Co., P. O. Box 444, Fitchburg, Massachusetts, U.S.A.	Travelling tending apparatus for textile machine.
69.	140995	24-9-1974	Bullers Ltd. Grange Road, Birmingham 10, England	Lamp assembly.
70.	140996	26-9-1974	G.D. Societa Per Azioni; Italy	Device for separating sheets from piles
71.	141001	3-3-1975	The Lucas Electrical Co., Ltd. Well Street, Birmingham 19, England	Head lamp fitting system in motor vehicle.
72.	141005	20-9-1975	Krishna Ramchandra Datye, Amit Building, Flate No. 10, Nehru Road, Bombay-75.	Method of drilling holes in soil and rock.
73.	141007	11-8-1976	National Dairy Development Board Kaira F 103, Anand, Gujrat, India.	Automatic vending system for vehicles.
74.	141037	1-11-1973	Peter Zimmer; Unter Sparchen 54, 6330 Kupstein, Austria,	A device for supporting and holding a rotary screen.
75.	141038	Do.	Do.	Screen holder for rotary screens,
76.	141039	Do.	Do.	Do.
77.	141049	11-11-1974	Kureha Kogyo K. K. 1-Chome, Nihonbashi, Haridoma-sho, Tokyo, Japan	A shaped article adapted for attracting and killing insects.
78.	141053	13-2-1975	Girling Ltd, England	Disc brakes for rail vehicles.
79.	141056	19-11-1973	Bunker Ramo Copration U.S.A.	Insulation piercing contact members.
80.	141063	3-5-1974	G.K.N. Windsor Ltd. 78 Portsmouth Road, Cobham, Surrey, Kthly, England	Injection moulding machines.
81.	141064	4-6-1974	Pandrol Ltd., 7 Rolls Building, London E.C. I.N. Z.N.F., England	A railway rail fastening member.
82.	141074	26-2-1975	The Lucas Electrical Co., Ltd., England	Vehicle lamp assembly.

1	2	3	4	5
83.	141078	29-4-1975	The Lucas Electrical Co., Ltd., Well Street, Birmingham 19, England	Motor vehicle rear lighting system.
84.	141106	15-3-1974	Girling Ltd; England	Disc brakes for vehicles
85.	141150	4-12-1974	Hindustan Lever Ltd., Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-20, India.	Pump for dispensing liquid.
86.	141171	18-9-1974	Siemens AG, Berlin & Munich, West Germany	Steam filter for turbines.
87.	141172	9-4-1975	Girling Ltd., England	Tandem master cylinder for hydraulic braking systems.
88.	141187	30-10-1976	Krishna Ramchandra Datt, Bombay, 57	Strengthening natural soft ground.
89.	141191	9-5-1974	Girling Ltd., England	Friction plates and vehicle disc brakes.
90.	141203	10-3-1975	Wanson (India) Pvt. Ltd., Chinchwad Poona 411019, India.	Device for transfer waste heat.
91.	141204	15-11-1973	Forest City Dillion Inc., 1730, Akron Peninsula Road, Akron, Ohio, U.S.A.	Method of erecting the unitized building.
92.	141205	14-3-1974	Platt International Ltd., Holcombe Road, Helmsford, Rossendale BB 4 4NG, Lancashire, England	A chain or belt tensioning arrangement for variable speed gear.
93.	141207	23-2-1974	Davies & Metcalfe Ltd., Injector Works Romby NR, Stockport, Cheshire SK-6, 3AE England	Spring brake unit.
94.	141215	2-4-1975	Elkem-Spigernerket A/S; Elkembuset Midlethunsgate 27, Oslo 3, Norway	Tapping gum.
95.	141218	17-6-1975	Koninklijke Emballage Industrie Van Leer B.V. Amsterdamseweg 206, Amstelveen, The Netherlands	Manufacture of hypodermic syringe
96.	141231	30-1-1974	Elat Francais Represente, 4 Avenue de la Perte d'Isy 75 (Paris) ise France.	I-C engine super charged by a turbocom pressure unit.
97.	141268	2-8-1974	Fmhart (UK) Ltd., Crompton Road, Wheatley, Concaster, South Yorkshire, England	Control valve
98.	141275	7-5-1974	F.L. Smidth & Co., A/S. Denmark	Cooling granular material and a planetary cooler therefor.
99.	141308	10-7-1974	Marryat Finance Ltd., 40/42 Hatton Garden London EC1P 1 AN, England	Angular guidance arrangement for conveyor belt systems.
100.	141313	3-7-1975	The Goodyear Tire & Rubber Co., 1144 East Market Street, Akron, Ohio, U.S.A.	A method of retreading a tire.
101.	141318	22-2-1974	Industrie Pirelli Societa Per Azioni, Centro Pirelli, Piazza Duca D' Asota, No. 3, Milan 20100, Italy	Pneumatic tyre.
102.	141319	12-3-1974	Davies & Metcalfe Ltd, England	Airbrake distributors for use in railway locomotives and rolling stock.
103.	141321	31-8-1974	Kentredder Ltd, Longueville, St. Saviour, Jersey, British Channel Islands	A method of treading tyres.
104.	141332	5-3-1974	PPG Industries Inc. One Gateway centre, Pittsburgh 22, Pennsylvania, U.S.A.	Manufacture of sheet glass.
105.	141337	14-1-1974	Edwin Abercrombie Vermer, 29222 Derley Street, Berkeley, California 94705, U.S.A.	Folding slab construction having a structural support
106.	141338	12-2-1974	Kabel-Und Metallwerke etc; 3000 Hannover, Vehrenwalder Strasse 271, Postfach 260, Federal Republic of Germany.	Apparatus for paring wires, extrusion and other elongated metallic materials.
107.	141339	13-2-1974	Ruti Machinery Works Ltd., 8630 Rut; Zurich Switzerland.	Shedding motions for a loom.
108.	141349	8-2-1974	American Cynamid Co., Wayne, New Jersey, U.S.A.	Well spinning shaped articles.
109.	141352	7-3-1974	Kazumasa Watamabe; 8 L-1, Iriyamase, Fushi, Shizuoka Ken, Japan.	Forming paper web and a machine therefor.
110.	141367	19-3-1975	Union Carbide Corporation; 270 Park Avenue, New York 10017, U.S.A.	Porotection for externally heated caset tray vessel.
111.	141370	22-5-1975	Personal Products Co., Milltown, New Jersey U.S.A.	An absorbent catamenial dressing.
112.	141372	26-7-1975	Josef Krings; 5138 Hemberg, Oberbruch, Houshoelter-Strasse 23, German Federal of Republic	Lining apparatus for the protection of trenches.
113.	141380	18-4-1974	Pullman Inc.; 2000 South Michigan, Avenue, Chicago, Illinois, U.S.A.	Welding jig.

1	2	3	4	5
114.	141381	24-4-1974	Alcan Research & Development Ltd., 1, Place Ville Marie, Montreal 101, Canada.	Continuous casting of ingots.
115.	141434	Do.	D.C. Otto & Comp. GMBH; West Germany	Coke over door
116.	141526	12-6-1975	Maschinenfabrik Rieter AG. Winterthur, Switzerland	Bobbin tube loader.
117.	141629	8-11-1973	Libbey-Owens-Ford Co., 811 Madison Avenue Toledo, Ohio, U.S.A.	Determination of optical quality of flat glass sheets.
118.	141632	2-3-1974	Hermon Heye; Allee, D 4962 Obernkirchen, Federal Republic of German.	Apparatus for evaporating cooling of tools in glass making machines.
119.	141636	9-9-1974	Plant Products Co., Ltd., 314 Orenca Road, Bramales, Ontario, Canada	Apparatus for holding flexible plastic films in fastening systems.
120.	141655	21-2-1973	Fried Krupp GMBH; Alterder Fir Strasse 103, D-43, Essen, Federal Republic of Germany.	Hinged and fast support especially for a bridge.
121.	141664	20-3-1974	Croftshaw (Engineers) Ltd., Action Works Bull Lane, Long Melford, Suffok, England	Multi-bed absorbers.
122.	141767	2-9-1974	Westinghouse Electric Corp. Pittsburgh, Pennsylvania, U.S.A.	Model magnetic cores utilising cut steel.
123.	141803	10-10-1975	The Lucas Electrical Co., Ltd. England	Plating jobs and method of externally plating hollow components therewith.
124.	141854	11-7-1974	Dr. C. Otto & Comp GMBH, West Germany	Coke side shed for coke ovens.
125.	141870	4-11-1974	Montron Corp., 185 East Dana Street, Main-tain View, California, U.S.A.	Combination viewer and projector.
126.	141921	9-4-1975	Dr. C. Otto & Comp GMBH; West Germany	Changing can for coke ovens.
127.	141936	24-4-1974	Do.	Underject coke ovens.
128.	142084	23-9-1974	The Lucas Electrical Co., Ltd., England.	Lamp reflectors and motor vehicle lamp assemblies.
129.	142087	22-5-1975	Girling Ltd. England	Cylinder assembly for vehicle hydraulic braking system.
130.	142113	24-4-1974	Dr. C. Otto & Comp GMBH. West Germany	A blast preheater.
131.	142231	Do.	Do.	Treatment of gases emitted by coke ovens.
132.	142312	11-11-1974	Do.	Fuel gas collector mainly on regeneratively heated coke-ovens.
133.	142741	8-10-1975	Yoshio Murao; Ha 56-1, Masuizumi Machi, Kanazawa, Ishikaw, Pref, Japan	Cleaning machine for bobbins with master sliver.
134.	143495	Do.	Jasbir Singh Bajaj, 8 Jamshedji Tata Road, Churchgate, Bomb, India.	Horeological chronometric instrument
135.	133551	31-12-1975	Fritay Stahlacker & Hans Stahlacker, both of West Germany.	Open-end spinning unit containing means for cleaning fibrous material.
136.	143635	28-2-1975	Do.	Open-end spinning machine incorporation a movable piercing-up apparatus.

PATENTS DEEMED TO BE ENDORSED WITH  
THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
132728 (20-4-72)	Process for preparing azines.
136841 (4-7-72)	Process for the preparation of 2, 6-dinitro-anilines.
136866 (9-10-72)	Method of preparing pullulan
136875 (18-5-73)	Process for preparing protein isolate from fish.

136903 (9-5-73)	Process for the preparation of DL-threo-1-(p-nitro-phenyl)-2-acetamino-1, 3-propanediol.
136906 (31-10-73)	Process for preparing an expanded food product.
136950 (16-8-72)	Process for the preparation of unsaturated nitriles.
136957 (5-9-72)	Process for the manufacture of new disazo pigments.
137050 (20-12-72)	Process for the preparation of methyl (2n-propyl-3-ketocyclopent-1-yl).
137061 (10-11-72)	Process for dehydrogenating saturated paraffinic or naphthenic hydrocarbons.
137071 (14-6-74)	Process for the preparation of 3-ketoglutaric acid by carboxylation of acetone inglime.

## RENEWAL FEES PAID

92939	92969	93001	93191	93441	93489	93491	93721	95665
98475	98510	98543	98580	98785	98797	98913	98973	99007
99008	99081	99243	99644	99988	100670	100676	101119	
101816	103116	103360	104159	104362	104382	104444	104448	
104570	104580	104617	104618	104626	104705	104794	104851	
105075	108294	109557	109896	109929	109940	109952	110002	
110010	110011	110086	110116	110127	110362	110536	114776	
114867	114996	115049	115069	115119	115136	115141	115218	
115268	115313	115357	115359	115406	115418	115423	115426	
115531	115652	115677	115682	117541	117600	118327	119992	
120151	120152	120154	120155	120414	120416	120456	120459	
120463	120474	120475	120483	120495	120509	120511	120512	
120618	120771	120774	120972	121008	121056	121104	121110	
121137	121180	121490	124762	125605	125604	125828	125834	
125840	125841	125843	125862	125864	125928	125974	125975	
125976	125979	126109	126186	126234	126390	126677	129499	
130137	130363	130442	130633	130644	130645	130695	130719	
130720	130744	130793	130796	130920	130960	130949	131067	
131068	131069	131070	131071	131072	131255	131718	132816	
133291	133347	133567	134157	134662	134835	134948	134964	
134988	134991	135018	135042	135043	135044	135075	135083	
145096	135128	135129	135130	135137	135138	135140	135251	
135232	135328	135338	135646	135656	135849	135900	135934	
136041	136204	136299	136333	137162	137232	137577	138256	
138307	138333	138368	138585	138619	138678	138822	138888	
138930	138962	139010	139139	139156	139272	139366	139389	
139392	139444	139450	139517	139693	139713	139753	139872	
140158	140197	140466	140800	140848	140927	140973	141006	
141104	141130	141379	141397	141414	141425	141448	141449	
141451	141504	141529	141550	141575	141616	141656	141669	
141723	141726	141738	141750	141751	141771	141793	141844	
141864	141952	142065	142056	142085	142181	142426	142470	
142613	142626	142772	142773	142820	142865	142945	143046	
143068	143147	143155	143159	143190	143192	143194	143199	
143224	143235	143262	143279	143298	143312	143345	143348	
143351	143354	143355	143361	143378	143631	143635	143973	
145117	145119							

## CESSATION OF PATENTS

94383	99316	100533	104955	126297	126311	126320	126328
126347	126357	126358	126369	126370	126377	126394	126395
126396	126401	126403	126412	126415	126417	126432	126448
126469	126470	126471	126511	126515	126525	126527	126532
126541	126557	126572	126578	126579	126587	126588	126596
126601	126619	126627	126631	126635	126669	126697	126701
126702	126705	126706	126723	126724	126725	126730	126735
126746	126794	126798	126801	126807	126818	126819	126820
126821	126836	126838	126851	126855	126856	126861	126864
126867	126874	126876	126896	128225	130437	139042	139329
142662							

## RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 113861 granted to Cavinton Corporation for an invention relating to "apparatus for removal of cohesive mass of unwanted material from an enclosed area". The Patent ceased on the 30th December 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 13th September 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 21st June, 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 123479 granted to Cartels Limited for an invention relating to "Artificial stone tiles". The Patent ceased on the 11th October 1977 due to non-payment of renewal fees

within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 6th January 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 21st June, 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 129697 granted to Ugone Kuhlmann for an invention relating to "production of reaction products of phosphoric acid, urea and ammonia". The Patent ceased on the 2nd December 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 17th February 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 21st June, 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 132731 granted to Kalyan Kumar Banerjee for an invention relating to "improvements in or relating to concrete docks". The Patent ceased on the 1st September 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 14th October 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 21st June, 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 139066 granted to Rohm and Haas Company for an invention relating to "process for the preparation of carbamate derivatives". The Patent ceased on the 21st December 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 17th February 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 21st June, 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 140693 granted to UCB S.A. for an invention relating to "a process for the preparation of lysino-calcium

chloride and the pharmaceutically acceptable acid addition salts thereof". The Patent ceased on the 28th December 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 17th February 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 21st June, 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## (7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 141237 granted to Dana Corporation for an invention relating to "improvements in motor vehicle axles and method of constructing such axles". The Patent ceased on the 14th February 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 17th February 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 21st June, 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## (8)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142456 granted to Anton Braun for an invention relating to "counter balanced fixed stroke piston machines". The Patent ceased on the 24th August 1978 due to non-payment of renewal fees within the prescribed time and the

cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 17th February 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 21st June, 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## REVOCATION OF PATENTS

## Section 64

Patents Nos. 87007, 87008 and 87009 have been revoked by the Order of the Calcutta High Court dated the 6th June, 1978 in Matter No. 551 of 1977.

## CANCELLATION OF THE REGISTRATION OF DESIGNS

## (Section 51-A)

An application has been made by Indo National Limited for cancellation of the registration of Design No. 146628 in Class 3 in the name of J. K. Batteries.

## CANCELLATION OF THE REGISTRATION OF DESIGNS

## (Section 51-A)

An application has been made by Indo National Limited for cancellation of the registration of Design No. 146629 in Class 3 in the name of J. K. Batteries.

## CANCELLATION OF THE REGISTRATION OF DESIGNS

## (Section 51-A)

An application has been made by Indo National Limited for cancellation of the registration of Design No. 146686 in Class 3 in the name of J. K. Batteries.

S. VEDARAMAN

Controller-General of Patents, Designs  
and Trade Marks

IN-21133  
9/10/80

